

# Test Plan for SauceDemo Website

## 1. Test Plan Identifier

**Project Name:** SauceDemo QA Strategy

**Prepared By:** Muhammad Salah

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**Website URL:** <https://www.saucedemo.com>

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## 2. Introduction

SauceDemo is a sample e-commerce site used for testing automation tools and QA workflows. This test plan outlines the strategy to validate its core functionalities, UI behavior, and boundary conditions using both manual and automated testing.

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## 3. Objectives

- Verify that users can log in, browse products, add items to cart, and complete checkout.
  - Ensure UI elements are responsive and consistent across browsers.
  - Validate input boundaries and error handling.
  - Automate key user flows using Selenium.
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## 4. Scope

### In Scope

- Login functionality with standard user
- Product listing and sorting
- Cart operations (add/remove)
- Checkout flow
- UI responsiveness

### Out of Scope

- Backend API testing
  - Payment gateway integration
  - Mobile app testing
  - Login functionality with other users
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## 5. Test Strategy

### Manual Testing

- Functional Testing: Validate workflows like login, cart, and checkout.
- UI Testing: Check layout, responsiveness, and element visibility.
- Boundary Testing: Test input limits (e.g., long names, empty fields).

### Automation Testing

- Use Selenium with to automate:
    - Open the website
    - Login
    - Add items to cart
    - Proceed to checkout
    - Confirm order
    - Logout
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## 6. Test Environment

- **Browser:** Chrome (latest), Firefox
  - **OS:** Windows 11
  - **Tools:** Selenium WebDriver, GitHub for documentation
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## 7. Deliverables

- Test cases (manual and automated)
  - Bug reports
  - Automation scripts with documentation
  - Markdown-formatted portfolio files
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## 8. Entry & Exit Criteria

### Entry

- Access to SauceDemo site
- Test environment setup

### Exit

- All critical test cases executed
- Major bugs documented
- Automation scripts validated